

CLAIMS

What is claimed is:

1. An articulating pusher assembly for use in a nail loading assembly of a nail gun, comprising:
an articulating pusher for engaging a nail loaded into the nail loading assembly;
an adapter pivotally coupled with the articulating pusher, the adapter for guiding the articulating pusher;
a casing coupled with the adapter, the casing for slidably coupling with the nail loading assembly;
a spool assembly coupled with the casing and the nail loading assembly, the spool assembly for enabling the movement of the casing within the nail loading assembly,
wherein the articulating pusher is enabled to pivot to fully engage the nail.
2. The articulating pusher assembly of claim 1, wherein the nail loading assembly further comprises a housing coupled with a cover.
3. The articulating pusher assembly of claim 1, wherein the nail loading assembly is an adjustable angle magazine including a universal adapter assembly and an adjustment assembly.
4. The articulating pusher assembly of claim 3, wherein the adjustable angle magazine further comprises a pick-off pivot assembly.
5. The articulating pusher assembly of claim 3, wherein the adjustable angle magazine further comprises a nail checker assembly.

6. The articulating pusher assembly of claim 3, wherein the adjustable angle magazine further comprises a nail lockout assembly.
7. The articulating pusher assembly of claim 3, wherein the adjustable angle magazine further comprises a nail spacing verification assembly.
8. The articulating pusher assembly of claim 3, wherein the adjustable angle magazine further comprises a nail shank pawl assembly.
9. The articulating pusher assembly of claim 3, wherein the adjustable angle magazine further comprises a pinion nail verifier assembly.
10. The articulating pusher assembly of claim 3, wherein the adjustable angle magazine is a top-load magazine, end-load magazine, or a side-load magazine.
11. The articulating pusher assembly of claim 3, wherein the adjustable angle magazine is a modular adjustable angle magazine.
12. The articulating pusher assembly of claim 1, wherein the nail gun is selected from the group consisting of a spring-loaded nail gun, a pneumatic nail gun, an electro-magnetic nail gun, a combustion nail gun, and a motor driven nail gun.
13. The articulating pusher assembly of claim 1, wherein the nail gun further comprises a clutch assembly.

14. An adjustable angle magazine for use with a nail gun, comprising:
 - a housing including a first end and a second end, the housing for storing nails and providing nails to a nail driving assembly of the nail gun;
 - a universal adapter assembly coupled with the first end of the housing, the universal adapter assembly for pivotally coupling with the nail driving assembly;
 - an adjustment assembly disposed proximal to the second end of the housing, the adjustment assembly for affixing the position of the housing relative to the nail gun; and
 - an articulating pusher assembly coupled with the housing, the articulating pusher assembly for engaging with the nails loaded into the housing,wherein the articulating pusher assembly is enabled to pivot to fully engage the nail.
15. The adjustable angle magazine of claim 14, further comprising a cover coupled with the housing.
16. The adjustable angle magazine of claim 14, further comprising a pick-off pivot assembly.
17. The adjustable angle magazine of claim 14, further comprising a nail checker assembly.
18. The adjustable angle magazine of claim 14, further comprising a nail lockout assembly.
19. The adjustable angle magazine of claim 14, further comprising a nail spacing verification assembly.
20. The adjustable angle magazine of claim 14, further comprising a nail shank pawl

assembly.

21. The adjustable angle magazine of claim 14, further comprising a pinion nail verifier assembly.
22. The adjustable angle magazine of claim 14, wherein the adjustable angle magazine is a top-load magazine, end-load magazine, or a side-load magazine.
23. The adjustable angle magazine of claim 14, wherein the adjustable angle magazine is a modular adjustable angle magazine.
24. The adjustable angle magazine of claim 14, wherein the nail gun is selected from the group consisting of a spring-loaded nail gun, a pneumatic nail gun, an electro-magnetic nail gun, a combustion nail gun, and a motor driven nail gun.
25. The adjustable angle magazine of claim 14, wherein the nail gun further comprises a clutch assembly.

26. An adjustable angle nail gun, comprising:

a handle including a first end and second end, the second end coupled with a fastening assembly;

a nail driving assembly coupled with the first end of the handle, the nail driving assembly including a driver blade, the nail driving assembly for driving a nail;

an adjustable angle nose casting assembly coupled with the nail driving assembly, the adjustable angle nose casting assembly for receiving the nail and enabling the operational engagement of the driver blade with the nail;

an adjustable angle magazine including a first end coupled with the adjustable angle nose casting assembly and an adjustment assembly disposed proximal to a second end of the adjustable angle magazine, the adjustment assembly for coupling with the fastening assembly, the adjustable angle magazine for storing and providing the nail to the adjustable angle nose casting assembly;

an articulating pusher assembly coupled with the adjustable angle magazine, the articulating pusher assembly for engaging with the nails loaded into the adjustable angle magazine,

wherein the articulating pusher is enabled to pivot to fully engage the nail.

27. The adjustable angle nail gun of claim 26, wherein the adjustable angle magazine further comprises a universal adapter assembly.

28. The adjustable angle nail gun of claim 26, wherein the adjustable angle magazine further comprises a pick-off pivot assembly.

29. The adjustable angle nail gun of claim 26, wherein the adjustable angle magazine further comprises a nail checker assembly.

30. The adjustable angle nail gun of claim 26, wherein the adjustable angle

magazine further comprises a nail spacing verification assembly.

31. The adjustable angle nail gun of claim 26, wherein the adjustable angle magazine further comprises a nail shank pawl assembly.
32. The adjustable angle nail gun of claim 26, wherein the adjustable angle magazine further comprises a pinion nail verification assembly.
33. The adjustable angle nail gun of claim 26, wherein the adjustable angle magazine is a top-load magazine, end-load magazine, or a side-load magazine.
34. The adjustable angle nail gun of claim 26, wherein the adjustable angle magazine is a modular adjustable angle magazine.
35. The adjustable angle nail gun of claim 26, wherein the adjustable angle nail gun is selected from the group consisting of a spring-loaded nail gun, a pneumatic nail gun, an electro-magnetic nail gun, a combustion nail gun, and a motor driven nail gun.
36. The adjustable angle nail gun of claim 26, wherein the adjustable angle nail gun further comprises a clutch assembly.

37. An articulating pusher assembly for use in a nail loading assembly of a nail gun, comprising:
means for coupling with the nail loading assembly;
means for engaging a nail within the nail loading assembly coupled with the means for coupling with the nail loading assembly;
38. The articulating pusher assembly of claim 37, wherein the means for coupling with the nail loading assembly is a casing coupled with a spool assembly also coupled with the nail loading assembly, the casing further rotationally coupled with an adapter.
39. The articulating pusher assembly of claim 37, wherein the means for engaging a nail is an articulating pusher pivotally coupled with the means for coupling with the nail loading assembly.
40. The articulating pusher assembly of claim 37, wherein the nail loading assembly is an adjustable angle magazine.
41. The articulating pusher assembly of claim 40, wherein the adjustable angle magazine further comprises a universal adapter assembly.
42. The articulating pusher assembly of claim 40, wherein the adjustable angle magazine further comprises a pick-off pivot assembly.
43. The articulating pusher assembly of claim 40, wherein the adjustable angle magazine further comprises a nail checker assembly.
44. The articulating pusher assembly of claim 40, wherein the adjustable angle

magazine further comprises a nail spacing verification assembly.

45. The articulating pusher assembly of claim 40, wherein the adjustable angle magazine further comprises a nail shank pawl assembly.
46. The articulating pusher assembly of claim 40, wherein the adjustable angle magazine further comprises a pinion nail verification assembly.
47. The articulating pusher assembly of claim 40, wherein the adjustable angle magazine is a top-load magazine, end-load magazine, or a side-load magazine.
48. The articulating pusher assembly of claim 40, wherein the adjustable angle magazine is a modular adjustable angle magazine.
49. The articulating pusher assembly of claim 37, wherein the nail gun is selected from the group consisting of a spring-loaded nail gun, a pneumatic nail gun, an electro-magnetic nail gun, a combustion nail gun, and a motor driven nail gun.
50. The articulating pusher assembly of claim 37, wherein the nail gun further comprises a clutch assembly.